

**In the Claims:**

Please cancel claim 1.

2. (Currently Amended) An electrical system for an automotive vehicle [as recited in claim 1 further] comprising:

a first power source having a first positive terminal and a first negative terminal;

a second power source having a second positive terminal and a second negative terminal;

a common electrical node coupled to said first negative terminal and said second positive terminal;

a first load coupled between said first positive terminal and said common node; and

a second load coupled between said common node and said second negative terminal; and

an inverter coupled to said first positive terminal and said second negative terminal.

3. (Original) An electrical system for an automotive vehicle as recited in claim 2 further comprising an integrated motor generator coupled to said inverter.

4. (Currently Amended) An electrical system for an automotive vehicle as recited in claim [1] 2 further comprising an inverter coupled to a series combination of said first power source and said second power source.

5. (Currently Amended) An electrical system for an automotive vehicle as recited in claim [1] 2 wherein said common node comprises a chassis ground.

6. (Currently Amended) An electrical system for an automotive vehicle as recited in claim [1] 2 wherein said first power source comprises a 42 volt source.

7. (Currently Amended) An electrical system for an automotive vehicle as recited in claim [1] 2 wherein said second power source comprises a 42 volt source.

8. (Currently Amended) An electrical system for an automotive vehicle as recited in claim [1] 2 wherein said first power source has a first voltage rating and said second power source has a second voltage rating equal to said first voltage rating.

9. (Currently Amended) An electrical system for an automotive vehicle as recited in claim [1] 2 further comprising a switch and a controller, said switch electrically coupling said first power source and said second power source in parallel.

10. (Original) An automotive vehicle comprising:  
a first power source having a first positive terminal and a first negative terminal;  
a second power source having a second positive terminal and a second negative terminal;  
a chassis ground coupled to said first negative terminal and said second positive terminal;  
a first load coupled between said first positive terminal and said chassis ground;  
a second load coupled between said chassis ground and said second negative terminal;  
an inverter coupled to said first positive terminal and said second negative terminal; and  
an integrated motor generator coupled to said inverter.

11. (Original) An automotive vehicle as recited in claim 10 wherein said first power source comprises a 42 volt source.

12. (Original) An automotive vehicle as recited in claim 10 wherein said second power source comprises a 42 volt source.

13. (Original) An automotive vehicle as recited in claim 10 wherein said first power source has a first voltage rating and said second power source has a second voltage rating equal to said first voltage rating.

14. (Original) An automotive vehicle as recited in claim 10 further comprising a switch circuit and a controller, said switch circuit electrically coupling said first power source and said second power source in parallel.

15. (Original) A method of operating an electrical system for an automotive vehicle comprising:

operating a first load with a first power source;

operating a second load with a second power source;

forming a series combination of said first power source and said second power source; and

operating an inverter with said series combination.

16. (Original) A method as recited in claim 15 further comprising forming a common node between said first power source, said second power source, said first load and said second load.

17. (Currently Amended) A method as recited in claim 15 further comprising switching said series combination to a parallel combination in response to a [sensed] predetermined condition.

18. (Currently Amended) A method as recited in claim 17 wherein said [sensed] predetermined condition comprises a non-motoring mode.